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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	Unknown
Filing Date	Even Date Herewith
First Named Inventor	Stapleton, Jack
Group Art Unit	Unknown
Examiner Name	Unknown

Sheet 1 of 1

Attorney Docket No: 875.076US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
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OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MH		XIANG, J. , et al., "Effect of Coinfection with GB Virus C on Survival Among Patients with HIV Infection", <u>N. Engl. J. Med.</u> , Vol. 345, No. 10 (September 6, 2001), 707-714.	
MH		XIANG, J. , et al., "Full-Length GB Virus C (Hepatitis G Virus) RNA Transcripts Are Infections in Primary CD4-Positive T Cells", <u>Journal of Virology</u> , Vol. 74, No. 19 (October 2000) 9125-9133.	

EXAMINER

/Michelle Horning/

DATE CONSIDERED 10/30/2006

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached



Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.

IOWA:059US

Serial No.

10/693,258

Applicant

Jack T. Stapleton *et al.*

Filing Date:

October 24, 2003

Group:

1653

U.S. Patent Documents

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Foreign Patent Documents

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Other Art

See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
MH	A1	5,620,896	4/15/97	Herrmann, <i>et al.</i>	435	320.1	4/20/95
	A2	5,766,840	6/16/98	Kim <i>et al.</i>	435	5	6/5/95
	A3	5,766,916	6/16/98	Belyaev <i>et al.</i>	435	219	4/24/96
	A4	5,824,507	10/20/98	Kim <i>et al.</i>	435	69.3	5/19/95
	A5	5,849,532	12/15/98	Kim <i>et al.</i>	435	69.3	6/6/95
	A6	5,856,134	1/5/99	Kim <i>et al.</i>	435	69.3	6/5/95
	A7	5,859,230	1/12/99	Kim <i>et al.</i>	536	24.33	3/6/96
	A8	5,874,563	2/23/99	Kim, <i>et al.</i>	536	23.72	6/5/95
	A9	5,958,895	9/28/99	Pachuk, <i>et al.</i>	514	44	10/23/97
	A10	6,004,799	12/21/99	Luciw, <i>et al.</i>	435	236	12/21/99
	A11	6,156,495	12/05/00	Pilot-Matias <i>et al.</i>	435	5	4/19/96

Foreign Patent Documents

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

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	C1	Agnello, <i>et al.</i>, "Hepatitis C virus and other Flaviviridae viruses enter cells via low density lipoprotein receptor," <i>PNAS</i>, 96(22):12766-12771, 1999.
MH	C2	Akiyoshi, <i>et al.</i> , "Intraspousal Transmission of GB Virus C/Hepatitis G Virus in an Hepatitis C Virus Hyperendemic Area in Japan," <i>Am. J. Gastroenterol.</i> , 94(6):1627-1631, 1999.
	C3	Alter, <i>et al.</i>, "Acute non-A-E Hepatitis in the United States and the Role of Hepatitis G Virus Infection," <i>N. Engl. J. Med.</i>, 336(11):741-746, 1997.

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	C4	Alter, <i>et al.</i>, "The Incidence of Transfusion-Associated Hepatitis G Virus Infection and Its Relation to Liver Disease," <i>N. Engl. J. Med.</i>, 336(11):747-754, 1997.
MH	C5	Asada, <i>et al.</i> , "Human Herpesvirus 6 Infects Dendritic Cells and Suppresses Human Immunodeficiency Virus Type 1 Replication in Coinfected Cultures," <i>J. Virol.</i> 73(5):4019-4028, 1999.
MH	C6	Beard, <i>et al.</i> , "An Infectious Molecular Clone of a Japanese Genotype 1b Hepatitis C Virus," <i>Hepatology</i> , 30(1):316-324, 1999.
MH	C7	Birkenmeyer, <i>et al.</i> , "Isolation of a GB Virus-Related Genome From a Chimpanzee," <i>J. Med. Virol.</i> , 56:44-51, 1998.
MH	C8	Bukh, <i>et al.</i> , "Experimental Infection of Chimpanzees with Hepatitis G Virus and Genetic Analysis of the Virus," <i>J. Inf. Dis.</i> , 177:855-862, 1998.
	C9	Bukh, <i>et al.</i> , "Toward a Surrogate Model for Hepatitis C Virus: An Infectious Molecular Clone of the GB Virus-B Hepatitis Agent," <i>Virol.</i> , 262:470-478, 1999.
	C10	Cohen, <i>et al.</i> , "Hepatitis A Virus cDNA and Its RNA Transcripts Are Infectious in Cell Culture," <i>J. Virol.</i> , 61(10):3035-3039, 1987.
	C11	Dawson, <i>et al.</i> , "Prevalence Studies of GB Virus-C Infection Using Reverse Transcriptase-Polymerase Chain Reaction," <i>J. Med. Virol.</i> , 50:97-103, 1996.
	C12	de Martino, <i>et al.</i> , "Hepatitis G Virus Infection in Human Immunodeficiency Virus Type 1-Infected Mothers and Their Children," <i>J. Infect. Dis.</i> , 178:862-865, 1998.
	C13	Deacon, <i>et al.</i> , "Genomic Structures of an Attenuated Quasi Species of HIV-1 from a Blood Transfusion Donor and Recipients," <i>Science</i> , 270:988-991, 1995.
	C14	Dickens, <i>et al.</i> , "GB Virus C, Hepatitis G Virus, or Human Orphan Flavivirus?" <i>Hepatology</i> , 25(5):1285-1286, 1997.
	C15	Easterbrook, "Long-term Non-Progression in HIV Infection: Definitions and Epidemiological Issues," <i>J. Infect.</i> , 38:71-73, 1999.
	C16	Elvander, <i>et al.</i> , "An Experimental Study of a Concurrent Primary Infection with Bovine Respiratory Syncytial Virus (BRSV) and Bovine Viral Diarrhoea Virus (BVDV) in Calves," <i>Acta. Vet. Scand.</i> , 39:251-264, 1998.

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MH	C17	Emerson, <i>et al.</i> , "cDNA Clone of Hepatitis A Virus Encoding a Virulent Virus: Induction of Viral Hepatitis by Direct Nucleic Acid Transfection of Marmosets," <i>J. Virol.</i> , 66(11):6649-6654, 1992.
MH	C18	Feucht, <i>et al.</i> , "Distribution of Hepatitis G Viremia and Antibody Response to Recombinant Proteins With Special Regard to Risk Factors in 709 Patients," <i>Hepatology</i> , 26(2):491-494, 1997.
MH	C19	Fogeda, <i>et al.</i> , In Vitro Infection of Human Peripheral Blood Mononuclear Cells by GB Virus C/Hepatitis G Virus," <i>J. Virol.</i> 73(5):4052-4061, 1999.
MH	C20	Gale, Jr., <i>et al.</i> , "Control of PKR Protein Kinase by Hepatitis C Virus Nonstructural 5A Protein: Molecular Mechanisms of Kinase Regulation," <i>Mol. Cell. Biol.</i> 18(9):5208-5218, 1998
MH	C21	Gutierrez, <i>et al.</i> , "Seroprevalence of GB Virus C and Persistence of RNA and Antibody," <i>J. Med. Virol.</i> , 53:167-173, 1997.
MH	C22	Hong, <i>et al.</i> , "Generation of Transmissible Hepatitis C Virions from a Molecular Clone in Chimpanzees," <i>Virology</i> , 256:36-44, 1999.
	C23	Huang, <i>et al.</i>, "The role of a mutant CCR5 allele in HIV-1 transmission and disease progression," <i>Nature Med.</i>, 2:1240-1243, 1996.
	C24	Kolykhalov, <i>et al.</i>, "Identification of a Highly Conserved Sequence Element at the 3' Terminus of Hepatitis C Virus Genome RNA," <i>J. Virol.</i>, 70(6):3363-3371, 1996.
MH	C25	Kolykhalov, <i>et al.</i> , "Transmission of Hepatitis C by Intrahepatic Inoculation with Transcribed RNA," <i>Science</i> , 277:570-574, 1997.
MH	C26	Laskus, <i>et al.</i> , "Detection of Hepatitis G Virus Replication Sites by Using Highly Strand-Specific Tth-Based Reverse Transcriptase PCR," <i>J. Virol.</i> , 72(4):3072-3075, 1998.
MH	C27	Leary, <i>et al.</i> , "Sequence and Genomic Organization of GBV-C: A Novel Member of the Flaviviridae Associated With Human Non-A-E Hepatitis," <i>J. Med. Virol.</i> , 48:60-67, 1996.
MH	C28	Lefrère, <i>et al.</i> , "Carriage of GB Virus C/Hepatitis G Virus RNA Is Associated with a Slower Immunologic, Virologic, and Clinical Progression of Human Immunodeficiency Virus Disease in Coinfected Persons," <i>J. Infect. Dis.</i> , 179:783-789, 1999.
	C29	Linnen, <i>et al.</i>, "Molecular Cloning and Disease Association of Hepatitis G Virus: A Transfusion-Transmissible Agent," <i>Science</i>, 271:505-508, 1996.

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MH	C30	Melvin, <i>et al.</i> , "Biophysical characterization of GB virus C from human plasma," <i>J. Virol. Methods</i> , 71:147-157, 1998.
	C31	Nerurkar, <i>et al.</i> , "High Prevalence of GB Virus C/Hepatitis G Virus Infection Among Homosexual Men Infected With Human Immunodeficiency Virus Type 1: Evidence for Sexual Transmission," <i>J. Med. Virol.</i> , 56:123-127, 1998.
	C32	Okamoto, <i>et al.</i> , "The entire nucleotide sequences of two GB virus C/hepatitis G virus isolates of distinct genotypes from Japan," <i>J. Gen. Virol.</i> , 78:737-745, 1997.
	C33	Pang <i>et al.</i> , "Development of dengue virus replicons expressing HIV-1 gp120 and other heterologous genes: a potential future tool for dual vaccination against dengue virus and HIV," <i>BMC Microbiology</i> , 1(28):1-9, 2001.
	C34	Pessoa, <i>et al.</i> , "Quantitation of Hepatitis G and C Viruses in the Liver: Evidence That Hepatitis G Virus Is Not Hepatotropic," <i>Hepatology</i> , 27(3):877-880, 1998.
↓	C35	Pinto, <i>et al.</i> , "Inhibition of Human Immunodeficiency Virus Type 1 Replication prior to Reverse Transcription by Influenza Virus Stimulation," <i>J. Virol.</i> 74(10):4505-4511, 2000.
	C36	Rinaldo, Jr. <i>et al.</i> , "Fetal and Adult Bovine Interferon Production During Bovine Viral Diarrhea Virus Infection," <i>Infect. Immun.</i> 14(3):660-666, 1976.
	C37	Robertson, <i>et al.</i> , "Classification, nomenclature, and database development for hepatitis C virus (HCV) and related viruses: proposals for standardization," <i>Arch. Virol.</i> , 143(12):2493-2503, 1998.
MH	C38	Rowland-Jones, "Long-term Non-progression in HIV Infection: Clinico pathological Issues," <i>J. Infect.</i> , 38:67-70, 1999.
	C39	Sabin, <i>et al.</i> , "Effect of Coinfection With Hepatitis G Virus on HIV Disease Progression in Hemophilic Men," <i>J. Acquir. Immune Defic. Syndr.</i> , 19:546-547, 1998.
	C40	Schmidt, <i>et al.</i> , "Direct Detection of Hepatitis C Virus (HCV) RNA From Whole Blood, and Comparison With HCV RNA in Plasma and Peripheral Blood Mononuclear Cells," <i>J. Med. Virol.</i> , 47:153-160, 1995.
↓	C41	Seipp, <i>et al.</i> , "Hepatotropism of GB virus C (GBV-C): GBV-C replication in human hepatocytes and cells of human hepatoma cell lines," <i>J. Hepatology</i> , 30:570-579, 1999.

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

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Exam. Init.	Ref. Des.	Citation
MH	C42	Shimizu, "Replication of GB Virus C (Hepatitis G Virus) in Interferon-Resistant Daudi Cells," <i>J. Virol.</i> , 73(10):8411-8414, 1999.
MH	C43	Simons, <i>et al.</i> , "Identification of two flavivirus-like genomes in the GB hepatitis agent," <i>Proc.Natl.Acad.Sci.USA</i> 92:34013405, 1995.
	C44	<u>Simons, <i>et al.</i>, "Isolation of novel virus-like sequences associated with human hepatitis," <i>Nature Med.</i>, 1(6):564-569, 1995.</u>
	C45	Simons, <i>et al.</i> , "Translation Initiation in GB Viruses A and C: Evidence for Internal Ribosome Entry and Implications for Genome Organization," <i>J. Virol.</i> , 70(9):6126-6135, 1996.
	C46	Stapleton, <i>et al.</i> , "Prospective Comparison of Whole-Blood- and Plasma-Based Hepatitis C Virus RNA Detection Systems: Improved Detection Using Whole Blood as the Source of Viral RNA," <i>J. Clin. Microbiol.</i> , 37(3):484-489, 1999.
	C47	Tacke, <i>et al.</i> , "Humoral Immune Response to the E2 Protein of Hepatitis G Virus Is Associated With Long-Term Recovery From Infection and Reveals a High Frequency of Hepatitis G Virus Exposure Among Healthy Blood Donors," <i>Hepatology</i> , 26(6):1626-1633, 1997.
	C48	Tanaka, <i>et al.</i> , "Acute hepatitis caused by sexual or household transmission of GBV-C," <i>J. Hepatology</i> , 27:1110-1112, 1997.
	C49	Taylor, <i>et al.</i> , "Inhibition of the Interferon-Inducible Protein Kinase PKR by HCV E2 Protein," <i>Science</i> , 285:107-110, 1999.
	C50	Thomas, <i>et al.</i> , "Association of Antibody to GB Virus C (Hepatitis G Virus) with Viral Clearance and Protection from Reinfection," <i>J.Infect.Dis.</i> , 177:539-542, 1998.
	C51	Toyoda, <i>et al.</i> , "Comparison of Characteristics Between Patients With GB Virus C/Hepatitis G Virus (GBV-C/HGV) RNA and Those With GBV-C/HGV E2-Antibody in Patients With Hemophilia," <i>J.Med.Virol.</i> , 60:34-38, 2000.
↓	C52	Wu, <i>et al.</i> , "Prevalence and Risk Factor Analysis of GBV-C/HGV Infection in Prostitutes," <i>J. Med. Virol.</i> , 52:83-85, 1997.
	C53	Wu, <i>et al.</i> , "Promoter-Dependent Tissue-Specific Expressive Nature of Imprinting Gene, Insulin-like Growth Factor II, in Human Tissues," <u><i>Biochem. Biophys. Res. Commun.</i> 233(1):221-6, 1997.</u>

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MH	C54	Wünschmann & Stapleton, "Fluorescence-Based Quantitative Methods for Detecting Human Immunodeficiency Virus Type 1-Induced Syncytia," <i>J.Clin.Microbiol.</i> , 38(8):3055-3060, 2000.
	C55	Wünschmann, <i>et al.</i> , "Characterization of Hepatitis C Virus (HCV) and HCV E2 Interactions with CD81 and the Low-Density Lipoprotein Receptor," <i>J. Virol.</i> , 74(21):10055-10062, 2000.
	C56	Xiang, <i>et al.</i> , "Characterization of Hepatitis G Virus (GB-C Virus) Particles: Evidence for a Nucleocapsid and Expression of Sequences Upstream of the E1 Protein," <i>J. Virol.</i> , 72(4):2738-2744, 1998.
	C57	Xiang, <i>et al.</i> , "Full-Length GB Virus C (Hepatitis G Virus) RNA Transcripts Are Infectious in Primary CD4-Positive T Cells," <i>J.Virol.</i> , 74(19):9125-9133, 2000.
	C58	Xiang, <i>et al.</i> , "Visualization and characterization of GB virus-C particles: evidence for a nucleocapsid," <i>J. Viral Hepat.</i> , 6(S1):16-22, 1999.
	C59	Yanagi, <i>et al.</i> , "Transcripts from a single full-length cDNA clone of hepatitis C virus are infectious when directly transfected into the liver of a chimpanzee," <i>Proc. Nat'l. Acad. Sci.</i> , 94:8738-8743, 1997.
↓	C60	Yanagi, <i>et al.</i> , "Transcripts of a Chimeric cDNA Clone of Hepatitis C Virus Genotype 1b Are Infectious <i>in Vivo</i> ," <i>Virology</i> , 244:161-172, 1998.

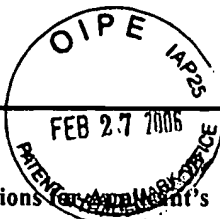
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MH	A12	5,981,172	11/9/99	Simons <i>et al.</i>	435	5	4/6/1995
	A13	2003/0170870	9/11/03	Xiang <i>et al.</i>	435	235.1	4/5/2001

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	C61	GENE BANC ACCESSION # AF031827, 29 October 1997
	C62	GENE BANC ACCESSION # AF031828, 29 October 1997
	C63	GENE BANC ACCESSION # AF031829, 29 October 1997
	C64	GENE BANC ACCESSION # AY196904, 13 December 2002
	C65	GENE BANC ACCESSION # U94695, 19 March 1997
	C66	LIU <i>et al.</i> "A competitive reverse transcription-polymerase chain reaction assay for quantitation of GB virus C/hepatitis G virus RNA that circumvents heteroduplex artifact" <i>Journal of Virological Methods</i> 79:149-159, 1999
✓	C67	Venter <i>et al.</i> "Hepatitis G virus slows HIV," <i>Trends in Microbiology</i> 9:470, 2001

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